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RAW SEQUENCE LISTING

DATE: 10/02/2000

PATENT APPLICATION: US/09/605,573A

TIME: 17:02:22

Input Set : A:\CDS-222.txt

Output Set: N:\CRF3\10022000\I605573A.raw

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77 Asn
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 33
83 <212> TYPE: PRT
84 <213> ORGANISM: Human immunodeficiency virus type 1
86 <400> SEQUENCE: 5
87 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
88 1 5 10 15
90 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
91 20 25 30
93 Asn
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 33
99 <212> TYPE: PRT
100 <213> ORGANISM: Human immunodeficiency virus type 1
102 <400> SEQUENCE: 6
103 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
104 1 5 10 15
106 Ser Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Glu Trp
107 20 25 30
109 Asn
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 33
115 <212> TYPE: PRT
116 <213> ORGANISM: Human immunodeficiency virus type 1
118 <400> SEQUENCE: 7
119 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
120 1 5 10 15
122 Ser Trp Gly Cys Lys Gly Arg Gln Val Cys Tyr Thr Ser Val Lys Trp
123 20 25 30
125 Asn
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 33
131 <212> TYPE: PRT
132 <213> ORGANISM: Human immunodeficiency virus type 1
134 <400> SEQUENCE: 8
135 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
136 1 5 10 15
138 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Gln Trp
139 20 25 30
141 Asn
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 33
147 <212> TYPE: PRT
148 <213> ORGANISM: Human immunodeficiency virus type 1
150 <400> SEQUENCE: 9
151 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
152 1 5 10 15
154 Leu Trp Gly Cys Lys Gly Arg Ile Leu Cys Tyr Thr Ser Val Lys Trp

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155                20                25                30
157 Asn
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 33
163 <212> TYPE: PRT
164 <213> ORGANISM: Human immunodeficiency virus type 1
166 <400> SEQUENCE: 10
167 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
168 1                5                10                15
170 Leu Trp Gly Cys Lys Gly Arg Ile Val Cys Tyr Thr Ser Val Arg Trp
171                20                25                30
173 Asn
177 <210> SEQ ID NO: 11
178 <211> LENGTH: 33
179 <212> TYPE: PRT
180 <213> ORGANISM: Human immunodeficiency virus type 1
182 <400> SEQUENCE: 11
183 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
184 1                5                10                15
186 Leu Trp Gly Cys Lys Gly Lys Ile Val Cys Tyr Thr Ser Val Glu Trp
187                20                25                30
189 Asn
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 33
195 <212> TYPE: PRT
196 <213> ORGANISM: Human immunodeficiency virus type 1
198 <400> SEQUENCE: 12
199 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
200 1                5                10                15
202 Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Arg Trp
203                20                25                30
205 Asn
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 33
211 <212> TYPE: PRT
212 <213> ORGANISM: Human immunodeficiency virus type 1
214 <400> SEQUENCE: 13
215 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asp
216 1                5                10                15
218 Leu Trp Gly Cys Lys Gly Arg Ile Ile Cys Tyr Thr Ser Val Lys Trp
219                20                25                30
221 Asn
225 <210> SEQ ID NO: 14
226 <211> LENGTH: 33
227 <212> TYPE: PRT
228 <213> ORGANISM: Human immunodeficiency virus type 1
230 <400> SEQUENCE: 14
231 Arg Leu Leu Ala Leu Glu Thr Phe Ile Gln Asn Gln Gln Leu Leu Asn
232 1                5                10                15

```

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```

234 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
235      20                      25                      30
237 Asn
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 33
243 <212> TYPE: PRT
244 <213> ORGANISM: Human immunodeficiency virus type 1
246 <400> SEQUENCE: 15
247 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
248      1                      5                      10                      15
250 Leu Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Lys Trp
251      20                      25                      30
253 Asn
257 <210> SEQ ID NO: 16
258 <211> LENGTH: 33
259 <212> TYPE: PRT
260 <213> ORGANISM: Human immunodeficiency virus type 1
262 <400> SEQUENCE: 16
263 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
264      1                      5                      10                      15
266 Ser Trp Gly Cys Gln Gly Lys Leu Val Cys Tyr Thr Ser Val Ile Trp
267      20                      25                      30
269 Asn
273 <210> SEQ ID NO: 17
274 <211> LENGTH: 33
275 <212> TYPE: PRT
276 <213> ORGANISM: Human immunodeficiency virus type 1
278 <400> SEQUENCE: 17
279 Arg Leu Gln Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn
280      1                      5                      10                      15
282 Leu Trp Gly Cys Lys Gly Lys Ser Ile Cys Tyr Thr Ser Val Lys Trp
283      20                      25                      30
285 Asn
289 <210> SEQ ID NO: 18
290 <211> LENGTH: 33
291 <212> TYPE: PRT
292 <213> ORGANISM: Human immunodeficiency virus type 1
294 <400> SEQUENCE: 18
295 Arg Leu Leu Ala Leu Glu Thr Phe Val Gln Asn Gln Gln Leu Leu Asn
296      1                      5                      10                      15
298 Leu Trp Gly Cys Lys Gly Arg Ile Val Cys Tyr Thr Ser Val Lys Trp
299      20                      25                      30
301 Asn
305 <210> SEQ ID NO: 19
306 <211> LENGTH: 33
307 <212> TYPE: PRT
308 <213> ORGANISM: Human immunodeficiency virus type 1
310 <400> SEQUENCE: 19
311 Arg Leu Leu Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Leu Leu Asn

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```

312      1          5          10          15
314 Leu Trp Gly Cys Arg Gly Lys Ala Ile Cys Tyr Thr Ser Val Gln Trp
315                      20          25          30
317 Asn
321 <210> SEQ ID NO: 20
322 <211> LENGTH: 33
323 <212> TYPE: PRT
324 <213> ORGANISM: Human immunodeficiency virus type 1
326 <400> SEQUENCE: 20
327 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Ser
328      1          5          10          15
330 Leu Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val Lys Trp
331                      20          25          30
333 His
337 <210> SEQ ID NO: 21
338 <211> LENGTH: 33
339 <212> TYPE: PRT
340 <213> ORGANISM: Human immunodeficiency virus type 1
342 <400> SEQUENCE: 21
343 Arg Leu Leu Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Leu Leu Asn
344      1          5          10          15
346 Leu Trp Gly Cys Lys Gly Arg Leu Leu Cys Tyr Thr Ser Val Lys Trp
347                      20          25          30
349 Asn
353 <210> SEQ ID NO: 22
354 <211> LENGTH: 33
355 <212> TYPE: PRT
356 <213> ORGANISM: Human immunodeficiency virus type 1
358 <400> SEQUENCE: 22
359 Arg Leu Leu Ala Leu Glu Thr Phe Ile Gln Asn Gln Gln Leu Leu Asn
360      1          5          10          15
362 Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Glu Trp
363                      20          25          30
365 Asn
369 <210> SEQ ID NO: 23
370 <211> LENGTH: 33
371 <212> TYPE: PRT
372 <213> ORGANISM: Human immunodeficiency virus type 1
374 <400> SEQUENCE: 23
375 Arg Leu Gln Ala Leu Glu Thr Leu Met Gln Asn Gln Gln Arg Leu Asp
376      1          5          10          15
378 Leu Trp Gly Cys Lys Gly Arg Leu Ile Cys Tyr Thr Ser Val Lys Trp
379                      20          25          30
381 Asn
385 <210> SEQ ID NO: 24
386 <211> LENGTH: 33
387 <212> TYPE: PRT
388 <213> ORGANISM: Human immunodeficiency virus type 1
390 <400> SEQUENCE: 24

```

NYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/605,573A

DATE: 10/02/2000

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Input Set : A:\CDS-222.txt

Output Set: N:\CRF3\10022000\I605573A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1076 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1113 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:63
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1153 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64
L:1160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64